

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claims 1-11 (canceled)

Claim 12 (currently amended). An apparatus for exposing a photosensitive material, said photosensitive material having a light receiving surface and being exposed by radiation impinging on said light receiving surface, said apparatus comprising:

a substantively transparent substrate having a substantially planar light receiving surface oppositely spaced apart from and substantively parallel to a substantially planar light emitting surface;

at least one of a plurality of triplets of elongated arrays of color filter elements, said color filter elements selectively transmitting radiation in a distinct range of wavelengths, having a substantially planar color filter light receiving surface oppositely spaced apart from and substantively parallel to substantially planar color filter light emitting surface, any color filter element in the array has a characteristic surface dimension which is substantially the same for all color filter elements in the array and from which a center point can be defined, said color filter being formed from at least one color filter material, said at least

one color filter material to form said at least one elongated color filter array being deposited onto and in effective light transmission relation to the light receiving surface of said substrate;

at least one of a plurality of triplets of elongated array of individually addressable Organic Light Emitting Diode (OLED) elements, said elements emitting light over a broad range of wavelengths, any OLED element in said at least one of a plurality of said elongated arrays has a characteristic surface dimension which is substantially the same for all OLED elements in the array and from which an OLED center point can be defined, said at least one OLED array being deposited onto and in effective light transmission relation to the light receiving surface of said at least one color filter array, the OLED center points for any said OLED array being substantially collinear and aligned with the respective color filter center points for the color filter array located in effective light transmission relation to that OLED array and

wherein each OLED array in the triplet is in effective light transmission relation to the light receiving surface of one color filter array in the triplet thereby constituting an OLED color filter array set, each set in the triplet being aligned in substantially parallel spaced relation with respect to each other set in the triplet, each color filter array in each triplet being capable of transmitting radiation in a distinct

wavelength range different from the distinct wavelength range of the other two arrays in the triplet, each triplet being aligned in substantially parallel spaced relation with respect to any other triplet.

Claim 13. (original) The apparatus of Claim 12 further comprising:

a plurality of driver control circuits for selectively controlling the energizing of said Organic Light Emitting Diode (OLED) elements; and

means of electrically connecting selected ones of said individually addressable light emitting elements in said OLED structure to said selected ones of said driver control circuits.

Claim 14. (canceled)

Claim 15 (currently amended). The apparatus of Claim ~~14~~ 12 wherein the color filter material is an imageable material.

Claim 16. (currently amended) The apparatus of Claim ~~14~~ 12 wherein the color filter material is a colorant.

Claims 17 – 19 (canceled)

Claim 20. (currently amended) The apparatus ~~of any~~ of Claims 12 ~~or 14-19~~ wherein the planar light emitting surface of said at least one color filter array is oppositely spaced apart at a given distance from and substantively parallel to the light receiving surface of said photosensitive material, the color filter elements in any of the color filter arrays are spaced apart by a given spacing between centers of the color filters, and the radiation emanating from any color filter in any said array and impinging on said light receiving surface of said photosensitive material defines a pixel area on the light receiving surface of said photosensitive material, said pixel area having a characteristic pixel dimension, and wherein said distance between the planar light emitting surface of the substrate and the light receiving surface of photosensitive material, the distance between the light receiving surface of said substrate and the light emitting surface of said substrate, said spacing between centers of the color filters, and said characteristic surface dimension of the color filters are jointly selected so that, at a given pixel area, said pixel area corresponding to a given color filter element in a given color filter array, the exposure of said photosensitive material due to the light intensity from the elements of the given array which are adjacent to said given color filter element and from said given color filter element, is optimized.

Claim 21. (currently amended) The apparatus ~~in any of Claims 14-19~~ of Claim 12 wherein every said color filter element further comprises a region substantially adjoining the entire periphery of said color filter element, and said region substantively absorbing radiation in all three distinct wavelength ranges, each said distinct wavelength range being associated with a color filter in a said triplet.

Claims 22 - 69 (canceled)